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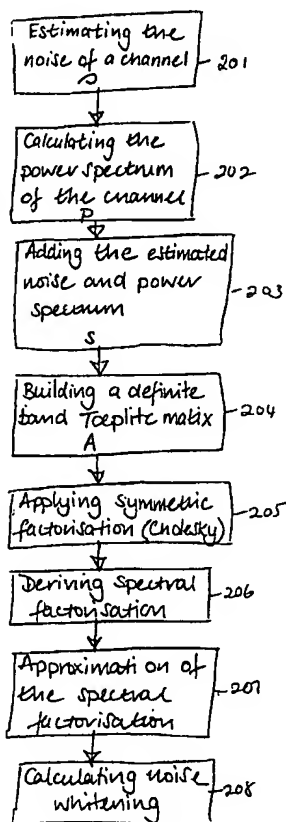
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(54) Title: NOISE WHITENING



(57) Abstract: A method of noise whitening a received signal comprises estimating (201) the noise of a channel; calculating (202) the power spectrum of the channel; adding (203) the estimated noise and the calculated power spectrum to build (204) a positive definite band matrix; applying (205) symmetric factorisation to the matrix; deriving (206) the spectral factorisation of the channel from the symmetric factorisation; approximating (207) the spectral factorisation; calculating (208) the noise whitening prefilter settings from the derived spectral factorisation and the estimated noise of the channel; and prefiltering the received signal to noise whiten the signal.

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